

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 03/30/2021 09:23 AM
Cytometer Baseline: 12/15/2020 11:39 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 91417 **Expiration Date:** 03/31/2021
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125223	0	3.03	125299	2.94
Blue	F	SSC	125000	124024	-1	3.95	124877	3.88
Blue	E	FITC	14203	13740	-4	3.26	299	15.24
Blue	D	PE	25703	25319	-2	2.97	549	10.56
Blue	B	PerCP-Cy5-5	42104	41156	-3	3.61	918	14.67
Blue	A	PE-Cy7	34646	34426	-1	4.86	490	29.15
Red	C	APC	49824	49082	-2	3.18	1503	11.55
Red	A	APC-Cy7	39773	38935	-3	3.23	724	12.09
Violet	B	V450	7447	7144	-5	4.23	400	12.94
Violet	A	V500	31193	30147	-4	4.10	685	10.37

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22017	3.17	550	-6	N/A	N/A	Pass
Blue	F	SSC	54755	3.54	515	3	N/A	N/A	Pass
Blue	E	FITC	55	51.89	483	-3	0.0407	76	Pass
Blue	D	PE	109	38.02	485	0	0.4081	290	Pass
Blue	B	PerCP-Cy5-5	174	35.58	576	-1	0.0193	35	Pass
Blue	A	PE-Cy7	111	63.01	621	1	0.0223	0	Pass
Red	C	APC	348	24.12	570	3	0.0274	90	Pass
Red	A	APC-Cy7	202	25.14	547	3	0.0060	729	Pass
Violet	B	V450	88	39.98	454	5	0.0406	1127	Pass
Violet	A	V500	120	28.18	472	5	0.0235	424	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.19	-31.93	1.00
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	19.92	15.99 - 23.99	N/A	N/A	30.30	30.54	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 13695

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments